

Amendment to the Specification

Please amend the following paragraphs of the Specification as follows. Approval is requested.

[033] Reference is first to Figure 1, where a simplified system diagram of the preferred embodiment of the present invention is illustrated. Tracking units A 130 and B 140 are preferably implemented as portable units for users as they make their approaches to within a short range from their destinations. The destinations may be office building X 100, store Y 110, park P 115 or building Z 120. Tracking units A 130 and B 140 in accordance with the present invention can receive transmissions from various transmission sources when they are within the range for reception. While the tracking units receive transmissions from various sources, only one or two sources may be the desired destinations, as entered by the user of the tracking unit.

[045] Reference is now back to Figure 2, where an exemplary flow chart of the operation of a tracking unit 130, 140 is illustrated. The user first enters a code, which may be a group code, or a single target code, to narrow its selection. The tracking unit 130 may begin reception when it is turned on, or it may stay in a sleep, or power save mode, until the user enters a code 200. The tracking unit then begins to receive and filter received broadcast signals 210, 220. Upon receiving signals from sources matching the code 230, the signals' bearing , with or without distance, information are processed and generated. The result is displayed on the tracking unit 240, in text ("Left", "Right"), by simple directional arrows or light-emitting diodes, or by more complicated radar-like display. If the code identifies multiple targets, e.g. bookstores, the display of each of the bearing can be done sequentially or concurrently. In a less complicated scenario, where only one target is desired, the display can simply show arrows pointing to the left, right or center. Alternatively, the display may be provided by a circle of light-emitting diodes showing relative bearing of the source of the transmitted signals.

[049] Figure 4 illustrates a simplified system diagram for an exemplary transmitter at a target location. While the primary function of the transmitter is to modulate and broadcast a coded signal 460, as is well-known, its operation may be implemented with program control 400, which sets up the transmitter at the target location. As can be appreciated by those skilled the art, many types of signal transmission, including one disclosed by the

aforementioned Apsell patent, are available for implementing the transmitter of the present invention, provided regulations regarding spectrum, power, and interference, promulgated by governing federal agencies are adhered to. In connection with a memory unit (not shown), program control 400 can specify the following functionality, just to illustrate a few:

[050] Frequency of broadcast 410 specifies the frequency of the transmission. Sleep mode 420 specifies how the transmitter goes into a sleep and power-save mode and how it wakes up upon activation. Variable rate 430 specifies whether the broadcast is done once every 10 seconds, 20 seconds or any interval previously programmed. Also, if there are multiple codes from several targets sharing the same building, multiple code 440 controls how the transmission is switched and alternated. Finally, frequency selection 450 is directed to selecting a better frequency to communicate with the tracking unit as requested by receiver 470, provided several frequency bands have been allocated already.

[052] With additional network infrastructure, LFS 600 – 604 (with targets 624, 634) can also be in a networked arrangement. When tracking unit 615 sends a target code to LFS 600, 602, both LFS will search in their database to see if the target is within its cell. The one LFS that has the target within its cell will reply and begin communication with tracking unit 615 to direct it to its target location, while the other LFS is instructed that communication with the requesting tracking unit 615 is already handed off to the other LFS.